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L6: Entry 1 of 9

File: PGPB

Oct 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020143042

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020143042 A1

TITLE: Method and composition for treating cancer using cellular organelle crystallizing agents

PUBLICATION-DATE: October 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kong, Qingzhong	Denver	CO	US	

US-CL-CURRENT: 514/381; 514/367

ABSTRACT:

This invention provides a method for treating cancer in mammals through cellular-organelle-crystallization-induced-death (herein defined as "Cocid"), a method for treating cancer using cellular organelle and/or cytoskeleton crystallizing agents (e.g. tetrazolium salts and their derivatives), pharmaceutical compositions containing a therapeutically effective amount of organelle and/or cytoskeleton crystallizing agents, and compositions containing organelle and/or cytoskeleton crystallizing agents in combination With a pharmaceutically acceptable carrier, diluent or excipient. The crystallizing agents with or without a pharmaceutically acceptable carrier, diluent or excipient, are used in combination with surgery and/or non-surgical anti-tumor treatments.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWC
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☐ 2. Document ID: US 20020086345 A1

L6: Entry 2 of 9

File: PGPB

Jul 4, 2002

PGPUB-DOCUMENT-NUMBER: 20020086345

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020086345 A1

TITLE: Methods and compositions for the visualization of cellular organelles using tetrazolium salts

PUBLICATION-DATE: July 4, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kong, Qingzhong	Denver	CO	US	

US-CL-CURRENT: 435/40.5; 435/4

ABSTRACT:

The invention provides a biochemical method for visualizing cellular organelles (such as centrosome) and/or cytoskeletons (such as microtubules) through the use of crystallizing agents (such as tetrazolium salts), a kit containing crystallizing agents adapted for such uses, and to methods particularly for detecting neoplastic cells in a tissue sample, suspension, or a fluid sample by examining the cells for abnormalities of cellular organelles (such as centrosome) and/or cytoskeletons (such as microtubules) in the number and shapes.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC
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☐ 3. Document ID: US 20020068310 A1

L6: Entry 3 of 9

File: PGPB

Jun 6, 2002

PGPUB-DOCUMENT-NUMBER: 20020068310
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020068310 A1

TITLE: Method and reagent for quantitative determination of 1,5-anhydroglucitol

PUBLICATION-DATE: June 6, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sasaki, Mihoko	Sunto-gun		JP	
Tazoe, Sakae	Tokyo		JP	
Miike, Akira	Sunto-gun		JP	

US-CL-CURRENT: 435/14

ABSTRACT:

The present invention provides a method for determining 1,5-anhydroglucitol (1,5-AG) in a sample containing 1,5-AG, maltose and glucose, which comprises: converting maltose in the sample into glucose using an enzyme system capable of converting maltose into glucose; converting glucose into a compound which is not phosphorylated by 1,5-anhydroglucitol 6-phosphorylating enzyme system (AG-6P-ES) or dehydrogenated by the action of 1,5-anhydroglucitol-6-phosphate dehydrogenase (AG-6PDH), using an enzyme system capable of converting glucose into said compound; converting 1,5-AG into 1,5-anhydroglucitol-6-phosphate (1,5-AG-6P) using the AG-6P-ES; dehydrogenating the formed 1,5-AG-6P with AG-6PDH in the presence of an oxidized coenzyme; and determining the component formed or reduced by the dehydrogenation reaction. A reagent and a reagent kit useful in this method are also provided.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC
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☐ 4. Document ID: US 20020031794 A1

L6: Entry 4 of 9

File: PGPB

Mar 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020031794
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020031794 A1

TITLE: Method and reagent for quantitative determination of 1,5- anhydroglucitol

PUBLICATION-DATE: March 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tazoe, Sakae	Fuji-shi		JP	
Miike, Akira	Sunto-gun		JP	

US-CL-CURRENT: 435/14; 435/25

ABSTRACT:

The present invention provides a simple method for the determination of a specific component, e.g. 1,5-anhydroglucitol (1,5-AG) in a sample containing glucose, and a reagent and a reagent kit useful in the method. In one embodiment, a method for the determination of 1,5-AG is provided which comprises contacting the sample with an enzyme system which converts glucose into fructose-1,6-diphosphate and converts 1,5-AG into 1,5-AG-6-phosphate to form 1,5-AG-6-phosphate, dehydrogenating 1,5-AG-6-phosphate in the sample by the action of 1,5-AG-6-phosphate dehydrogenase in the presence of an oxidized coenzyme, and measuring the amount of the reduced coenzyme formed by the dehydrogenation reaction. A reagent and a reagent kit useful in this method are also provided.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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☒ 5. Document ID: US 6448029 B1

L6: Entry 5 of 9

File: USPT

Sep 10, 2002

US-PAT-NO: 6448029
DOCUMENT-IDENTIFIER: US 6448029 B1
**** See image for Certificate of Correction ****

TITLE: Method and reagent for quantitative determination of 1,5-anhydroglucitol

DATE-ISSUED: September 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tazoe, Sakae	Fuji			JP
Miike, Akira	Shizuoka			JP

US-CL-CURRENT: 435/26; 435/14, 435/175, 435/183, 435/4, 435/966, 435/975

ABSTRACT:

The present invention provides a simple method for the determination of a specific

component, e.g. 1,5-anhydroglucitol (1,5-AG) in a sample containing glucose, and a reagent and a reagent kit useful in the method. In one embodiment, a method for the determination of 1,5-AG is provided which comprises contacting the sample with an enzyme system which converts glucose into fructose-1,6-diphosphate and converts 1,5-AG into 1,5-AG-6-phosphate to form 1,5-AG-6-phosphate, dehydrogenating 1,5-AG-6-phosphate in the sample by the action of 1,5-AG-6-phosphate dehydrogenase in the presence of an oxidized coenzyme, and measuring the amount of the reduced coenzyme formed by the dehydrogenation reaction. A reagent and a reagent kit useful in this method are also provided.

18 Claims, 3 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KUMC

☒ 6. Document ID: US 6376525 B1

L6: Entry 6 of 9

File: USPT

Apr 23, 2002

US-PAT-NO: 6376525
DOCUMENT-IDENTIFIER: US 6376525 B1

TITLE: Method and composition for treating cancer using cellular organelle
crystallizing agents

DATE-ISSUED: April 23, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kong; Qingzhong	Denver	CO	80220	

US-CL-CURRENT: 514/382; 435/25, 435/26, 514/370, 548/250

ABSTRACT:

This invention provides a method for treating cancer in mammals through cellular-organelle-crystallization-induced-death (herein defined as "Cocid"), a method for treating cancer using cellular organelle and/or cytoskeleton crystallizing agents (e.g. tetrazolium salts and their derivatives), pharmaceutical compositions containing a therapeutically effective amount of organelle and/or cytoskeleton crystallizing agents, and compositions containing organelle and/or cytoskeleton crystallizing agents in combination with a pharmaceutically acceptable carrier, diluent or excipient. The crystallizing agents with or without a pharmaceutically acceptable carrier, diluent or excipient, are used in combination with surgery and/or non-surgical anti-tumor treatments.

8 Claims, 8 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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☐ 7. Document ID: US 6368818 B1

L6: Entry 7 of 9

File: USPT

Apr 9, 2002

US-PAT-NO: 6368818

DOCUMENT-IDENTIFIER: US 6368818 B1

TITLE: Methods and compositions for the visualization of cellular organelles using tetrazolium salts

DATE-ISSUED: April 9, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kong; Qingzhong	Denver	CO	80220	

US-CL-CURRENT: 435/40.5; 435/29, 435/4

ABSTRACT:

The invention provides a biochemical method for visualizing cellular organelles (such as centrosome) and/or cytoskeletons (such as microtubules) through the use of crystallizing agents (such as tetrazolium salts), a kit containing crystallizing agents adapted for such uses, and to methods particularly for detecting neoplastic cells in a tissue sample, suspension, or a fluid sample by examining the cells for abnormalities of cellular organelles (such as centrosome) and/or cytoskeletons (such as microtubules) in the number and shapes.

7 Claims, 4 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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☐ 8. Document ID: US 6309852 B1

L6: Entry 8 of 9

File: USPT

Oct 30, 2001

US-PAT-NO: 6309852

DOCUMENT-IDENTIFIER: US 6309852 B1

TITLE: Method and reagent for quantitative determination of 1,5-anhydroglucitol

DATE-ISSUED: October 30, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tazoe; Sakae	Fuji			JP
Miike; Akira	Shizuoka			JP

US-CL-CURRENT: 435/26; 435/14, 435/175, 435/183, 435/4, 435/966

ABSTRACT:

The present invention provides a simple method for the determination of a specific component, e.g. 1,5-anhydroglucitol (1,5-AG) in a sample containing glucose, and a

reagent and a reagent kit useful in the method. In one embodiment, a method for the determination of 1,5-AG is provided which comprises contacting the sample with an enzyme system which converts glucose into fructose-1,6-diphosphate and converts 1,5-AG into 1,5-AG-6-phosphate to form 1,5-AG-6-phosphate, dehydrogenating 1,5-AG-6-phosphate in the sample by the action of 1,5-AG-6-phosphate dehydrogenase in the presence of an oxidized coenzyme, and measuring the amount of the reduced coenzyme formed by the dehydrogenation reaction. A reagent and a reagent kit useful in this method are also provided.

11 Claims, 2 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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☒ 9. Document ID: US 6130054 A

L6: Entry 9 of 9

File: USPT

Oct 10, 2000

US-PAT-NO: 6130054

DOCUMENT-IDENTIFIER: US 6130054 A

TITLE: Test strip for creatine kinase activity measurement

DATE-ISSUED: October 10, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Iwata; Ken	Kyoto			JP
Kawahara; Kazue	Kyoto			JP
Nakajima; Hiroshi	Kyoto			JP
Kondo; Hitoshi	Kyoto			JP

US-CL-CURRENT: 435/17; 435/14, 435/26, 435/4, 435/970, 548/250, 548/262.2

ABSTRACT:

Test strips by which creatine kinase activity can be quantitatively measured at a high sensitivity within a broad measuring range and which have excellent storage stability. Particularly, test strips for the measurement of creatine kinase activity, which comprises a carrier, a dehydrogenase, a diaphorase, NAD or NADP, and a water-soluble tetrazolium compound.

13 Claims, 3 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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K00C

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